

AMENDMENTS TO THE SPECIFICATION

Please amend Equation 4 and the first full paragraph on page 23 of the specification as follows:

$$\text{--PRACH\#} = (\lfloor R \times 8 \times \text{maxPRACH} \rfloor) (\lfloor R \times 8 \rfloor \times \text{maxPRACH}) \% \text{maxPRACH} \dots\dots (4)$$

In Equation (4), PRACH# indicates a scrambling code number selected by the UE, $\lfloor i \rfloor$ is a maximum integer that is less than or equal to i , and maxPRACH indicates the maximum number of the PRACH scrambling codes assigned to one UE by the UTRAN. Equation (4) shows a value dependent on the result of the persistence test performed by a certain UE, and the scrambling code can be selected only when the persistence test is succeeded. The MAC layer transmits the scrambling code selected by Equation (4) to the physical layer together with a PHY_DATA_REQ primitive, so that the physical layer uses the scrambling code in transmitting access preamble and message parts of the PRACH.--